

BADENKOV, P.F.

Visiting some tire factories in the German Federal Republic. Kauch. 1
rez. 19 no.12:51-52 D '60. (MIRA 13:12)
(Germany, West--Tires, Rubber)

S/138/61/000/004/001/006
A051/A129

AUTHORS: Badenkov, P.F., Vostroknutov, Ye.G., Yevstratov, V.F.

TITLE: Increasing the production volume and elevating the technical level
of the Soviet tire build-up industry

PERIODICAL: Kauchuk i rezina, ^{no.} no. 4, 1961, 4 - 7

TEXT: Under present conditions of automobile tire use, the casing is found to "outlive" the tread. In 1965, the production of repaired tires will exceed by over 12 times that of 1960. This repair can be accomplished by a proper method of tire selection in automobile plants, in order to carry out the necessary repairs. Larger and more economical plants and repair shops must be built, usually by the Sovnarkhozes and the smaller ones by the Ministries of Automobile Transport and Roads of the Union Republics or by the Ministries of Agriculture, etc. The location of these plants should depend on favourable local conditions. The tire build-up shops of the automobile plants should specialize only in the repairs of local damage, which requires manual labor. An estimation is given for the number of tires to be repaired in an average Oblast: number of automobiles - 20,000; number of wheels - 120,000; average life time of the tire - 1.5- 2 ✓

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Increasing the production ...

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years; number of damaged tires per year - 60,000 - 80,000; number of tires suitable for repair - 30,000 - 40,000. Thus, for an average Oblast' one plant with a total tire build-up capacity of 50,000 per year should be sufficient (i.e. 30,000 repaired tires). New tire build-up equipment is needed. Tests of various machinery and equipment are being conducted at the Experimental Tire-Repair Plant of the NII shinnoy promyshlennosti (NII of the Tire Industry) and beginning in 1961, these machines will be mass-produced. The equipment is suitable for all types of tires up to 14.00-20 in size. The roadability of the repaired tires compared to new ones, based on the average size, should increase from 20-25% in 1960 to 50-55% by 1965. The guaranteed roadability standards of the repaired tires should be developed and confirmed. Until recently, low-quality rubbers were used in tire build-up material, having a much higher physico-mechanical index (that of mass-produced tire rubber). The content and scale of laboratory and industrial tests conducted so far give only partial satisfaction. A special group of specialists should be established in the Gosplan of the USSR, VSNKh, Goskhimkomitet, Goskomitet for the problems of automation and machine-building, to deal with the repair of tires. The following problems must further be handled: 1) research for new tire build-up materials; a) development of new rubber composition, adhesives, pastes for low-temperature vulcanization; b) development of

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Increasing the production ...

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special rubber compositions and adhesives for the repairing process, using hot vulcanization; 2) new industrial technologies, equipment and instruments for the repair of tires; a) new methods for the heating of tires and tire build-up materials in drying, application of the materials, rolling and vulcanization of the tread; b) efficient types of polishing-copying and rolling machines, infrared driers, individual and bandage vulcanizers, tools for inserting and removing boiling chambers; c) new methods and instruments for express-control; 3) personnel training for the tire build-up industry. The organization of appropriate departments in the MITKhT im. Lomonosov, LKhTI, DKhTI, and other chemical technological institutes is recommended. There is 1 table.

ASSOCIATION: Nauchno-issledovatel'skiy institut shinnoy promyshlennosti (Scientific Research Institute of the Tire Industry)

Card 3/3

BADENKOV, P.F.

Some of the most important results of the work of the rubber /
tire industry and tasks for its further development. Kauch. i
rez. 23 no. 3:1-4 Mr '64. (MIRA 17:5)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.

BADENKOV, P.F.; YEVSTRATOV, V.F.; KHANINA, G.N.

Improving the quality of tires to come up to the level of the best world standards. Kauch. i rez. 24 no.10:2-7 '65.

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti. (MIRA 18:10)

L 15322-66 EWT(m)/EWP(v)/EWP(j)/T WW/RM
 ACC NR: AP6000970 (A) SOURCE CODE: UR/0286/65/000/022/0056/0056

AUTHORS: Badenkov, P. F.; Uzina, R. V.; Basin, V. Ye.

ORG: none

TITLE: An adhesive for securing textil. materials to rubber. Class 39, No. 176387
 /announced by Scientific Research Institute of the Tire Industry (Nauchno-
 issledovatel'skiy institut shinnoy promyshlennosti)/

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1965, 56

TOPIC TAGS: adhesive, adhesive bonding, adhesion, resorcinol, formaldehyde, resin,
 polymer, copolymerization, vinyl

ABSTRACT: This Author Certificate describes a method for obtaining an adhesive for
 securing textile materials to rubber, on the basis of foam rubber and thermoactive
resorcinol-formaldehyde resin. To improve the technological properties of the adhesive,
 the foam rubber is manufactured from liquid copolymerization products derived from
 copolymerization of divinyl with methacrolein, divinyl with acrylonitrile, and
 methacrolein and divinyl with styrene and methacrolein. The components are mixed in
 the proportions of 5 to 20 wt parts of foam rubber.

SUB CODE: 11/ SUBM DATE: 26Mar63

Card 1/1

UDC: 678.029.42:678.762.2-134.622

AUTHORS: Lutsenko, I. F., Badenkova, L. P. and Foss, V. L. 79-12-18/43

TITLE: Reaction of α -Alkoxyakrylnitriles with Mercury Acetate
(Vzaimodeystviye α -alkoksiakrilonitrilov s uksusnokisloy
rtut'yu).
The Synthesis of Esters of Monomercury Acetate
(Polucheniye efirov monomerkurovannoy uksusnoy kisloty).

PERIODICAL: Zhurnal Obshchey Khimii 1957, Vol. 27, Nr 12, pp. 3261-3264
(USSR)

ABSTRACT: The acetals of ketene ($\text{CH}_2=\text{C}=\text{O}$) which show highly active double bond do not produce monomercury esters on the occasion of reaction with mercury acetate. It was interest to investigate whether such esters can be obtained by action of mercury acetate on α - alkoxyacrylustriles ($\text{CH}_2=\text{C}(\text{OR})\text{CN}$). In these compounds to be regarded as acetals of ketene with which one alkoxygroup is substituted by the nitrile group the double bond is considerably weakened in comparison with the acetals of ketene and even with the simple vinylesters. While vinylbutylesters with mercury acetate reacts strongly, the reaction with α - butooxyakrylnitrile takes several hours. The connection of the mercury acetate to the α - alkoxyakrylnitriles is interesting also because it is a "competing orientation

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Reaction of α -alkoxyakrylnitriles with Mercury Acetate.
The Synthesis of Esters of Monomercury Acetate.

79-12-18/43

of addition" in the aliphatic order which is very little investigated. On the basis of the knowledge on this orientation in the aromatic series it could have been expected that the direction of addition will be determined by the alkoxy-group and that a mercury atom will thus bind with the CH_2 group of the α -alkoxyakrylnitrile. The organic compound of mercury occurring as intermediate product with three different substituents in one carbon atom continues its decay which leads to the ester of monomercuryacetate (see formula). Methyl-, ethyl-, propyl-, and butylesters of the monomercuryacetate were synthesized in this way. These compounds are precipitated from the methylalcoholic solutions as crystals and show distinctive melting point. There are 1 table, and two references, 1 of which is Slavic.

SUBMITTED: November 28, 1956

AVAILABLE: Library of Congress

- Card 2/2
1. Esters - Synthesis
 2. α -alkoxyakrylnitriles - Chemical reactions
 3. Mercury acetate - Chemical reactions
 4. Cyclic compounds - Chemical reactions

AUTHORS: Bergel'son, L. D., Badenkova, L. P. SOV/62-58-632/37

TITLE: The Behavior of Diastereoisomers in SN2 Reactions
(Povedeniye diastereoizomerov pri reaktsiyakh SN2)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk, 1958, Nr 6, pp. 793-794 (USSR)

ABSTRACT: The authors of the present report already showed that the reaction of bromohydrine of the type (I) with sodium-thiophenolate $\text{RCHBr} - \text{CH}(\text{OH})\text{R} \text{ (I)} + \text{C}_6\text{H}_5\text{SNa} \rightarrow \text{RCH}(\text{SC}_6\text{H}_5) - \text{CH}(\text{OH})\text{R} + \text{NaBr}$ in methanol develops according to the $\text{S}_{\text{N}}2$ mechanism and threo- and erythroisomers enter into reaction at different velocities. At 34° the following relation of half-period reactions of erythro- and threoforms exists: For 2-bromine-1,2-diphenyl-ethanol ($\text{R}=\text{C}_6\text{H}_5$) - 2; for 3-bromine-1,4-diazetoxibutanol-2 ($\text{R}=\text{CH}_2\text{COO}$) - 1,4; for 3-bromobutanol-2 ($\text{R}=\text{CH}_3$) - 1,2. Thus, threo-isomers react more rapidly than erythro compounds; the difference in the velocity of reaction grows with the volume of the substituent. The dibromides $\text{RCHBr}-\text{CHBrR}$ behave accordingly. There is 1

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The Behavior of Diastereoisomers in SN2
Reactions

SOV/62-58-6-32/37

reference.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo
Akademii nauk SSSR (Institute of Organic Chemistry imeni
N.D. Zelinskiy, AS USSR)

SUBMITTED: April, 1, 1958

1. Cyclic compounds--Chemical reactions 2. Chemical reactions
--Velocity

Card 2/2

AUTHORS: Nazarov, I. N. (Deceased), Bergel'son, L. D., 79-28-5-7/41
Badenkova, L. P., Lopatin, B. V.

TITLE: Derivatives of Acetylene (Proizvodnyye atsetilena).
192. Hydrogenation Stereochemistry of Acetylene glycols
(192. Stereokhimiya gidrirovaniya atsetilenovykh
glikoley)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 5,
pp. 1132-1143 (USSR)

ABSTRACT: It is known that the catalytic hydrogenation of acetylene
compounds mainly leads to the cis-ethylenes (Reference 1),
It was, however, noticed several times that besides these
also transisomers form; the quantities of which apparently
depend on the nature of the acetylene compound, on the
catalyst and the hydrogenation conditions (References
2 - 14). In connection with the stereochemical investiga-
tions of the addition reactions to the triple bonds car-
ried out by the authors it was of interest to determine
exactly the amounts of the transolefines which form in
the catalytic hydrogenation of disubstituted acetylenes,
and to check if an isomerization of the cis-ethylenes

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Derivatives of Acetylene.

79-28-5-3/69

. 192. Hydrogenation Stereochemistry of Acetyleneglycol

takes place on the conditions of hydrogenation. Tetramethylbutindiol (2,5 - dimethylhexine - 3 - diol - 2,5) and butindiol were used as objects of investigation. Butindiol and 2,5 - dimethylhexine - 3 - diol - 2,5 (tetramethylbutindiol in hydrogenation convert through Pd/CaCO_3 into mixtures consisting of stereo-isomeric ethyleneglycols which have 10-20% transforms. In the hydrogenation of butindioldiacetate 30-40% transisomers form. The formation of the transform is probably not caused by the isomerization of the cis-olefines, but by the participation of the free radicals in the hydrogenation process. It is proved by a considerable polymerization occurring parallel in the hydrogenation of butindiol and of its acetate. Cis- and trans-tetramethylbutenediols represent a stable crystalline complex in which the glycoisomers are connected with one another by the hydrogen bond. In unpolar solvents this complex is practically not dissociated. An analogous complex is supplied by the trans-tetramethylbutenediol with tetramethylbutindiol. Tetramethylbutenediol hydrogenizes quicker through palla.

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Derivatives of Acetylene.

79-28-5-3/69

192. Hydrogenation Stereochemistry of Acetyleneglycol

dium as catalyst than does tetramethylbutenediol, while the butindiol absorbs hydrogen more slowly than butenediol.

There are 5 figures, 1 table and 34 references, 9 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii AN - SSSR
(Institute for Organic Chemistry, AS USSR)

SUBMITTED: July 27, 1957

Card 3/3

BADENKOVA, L. P.

L. D. Bergel'son, and L. P. Badenkova, "Conformation of Acyclic Stereoisomers and Their Behavior During the SN2 Reactions."

report presented at the Symposium on Concepts of Conformation in Organic Chemistry which took place in Moscow at the IOKh AN SSSR (Institute of Organic Chemistry, AS, USSR) from September 30 to October 2, 1958.

Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk, 1959, No. 3, 561-564.

S/062/60/000/006/024/025/XX
B020/B060

AUTHORS: Bergel'son, L. D. and Badenkova, L. P.
TITLE: Stereochemistry of Triple-bond Addition Reactions.
Communication 6. Comparative Study of Steric Directivity in
the Bromination of Disubstituted Acetylenes and Olefins ✓
PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk,
1960, No. 6, pp. 1073-1079

TEXT: In continuation of previous investigations (Refs. 1, 2) the authors compared the directivity in the bromination of disubstituted acetylenes and their ethylene analogs in ionic and radical reactions. While the trans-addition of bromine to olefins in ionic reactions in polar solvents without illumination is sufficiently known, the stereochemistry of the photochemical addition of bromine to a double bond has not been studied systematically. This was therefore the first aim of the work under consideration. Since many aliphatic olefins are transformed into geometrical isomers in photochemical bromination, cyclohexene was the

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Stereochemistry of Triple-bond Addition
Reactions. Communication 6. Comparative Study
of Steric Directivity in the Bromination of
Disubstituted Acetylenes and Olefins

S/062/60/000/006/024/025/XX
B020/B060

first to be examined. It was found that the stereochemistry of the reactions can be also studied on the cis- and trans-forms of butene-2-diol-1,4, of 1,4-diacetoxy butene-2, and of 2,5-dimethyl hexene-3-diol-2,5 (tetramethyl butenediol), as these compounds are isomerized only little under the conditions of photochemical bromination. The trans-addition product was in each case the principal product of the photochemical reaction. The relative reaction rates of potassium iodide with diastereoisomeric dibromides obtained by photochemical bromination are indicated in Table 1, and it may be seen from them that cis-ethylenes in a photochemical bromination chiefly give rise to dl-dibromides, and trans-ethylenes give rise chiefly to meso-isomers. Trans-addition products are generally produced in the photochemical bromination of butenediol, its diacetate, and the tetramethyl butenediol in unpolar solvents, while their acetylene analogs yield chiefly cis-dibromides. The differences observed in the behavior of acetylenes and corresponding olefins are explained by the fact that, under the same conditions, they can react according to

Card 2/3

Stereochemistry of Triple-bond Addition S/062/60/000/006/024/025/XX
Reactions. Communication 6. Comparative Study B020/B060
of Steric Directivity in the Bromination of
Disubstituted Acetylenes and Olefins

different mechanisms. Thus, e.g., under the same conditions, 1,4-diacetoxy butyne is brominated by the chain mechanism, while the respective olefin is brominated by a non-chain mechanism. It may be seen from Table 2 that not only steric directivity, but also the bromination mechanism is dependent on the structure of the acetylene compound. A clear evidence of this is obtained when comparing the bromination of butynediol and tetramethyl butynediol in dimethyl formamide. The Raman spectra were taken by V. M. Medvedeva. There are 2 tables and 16 references: 6 Soviet, 5 US, 1 British, 2 German, and 2 French. ✓

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of the Academy of Sciences USSR)

SUBMITTED: October 17, 1958

Card 3/3

RUMANIA / Microbiology. General Microbiology. Effect F-1
of External Factors.

Abs Jour: Ref Zhur-Biol., No 16, 1958, 71986.

Author : Papazian, Ecaterina., Badenschi, Aurora., Mes-
robeanu, Lydia.

Inst : Not given.

Title : Thermophilic Bacteria. Investigation of the
Changeability of Biochemical Characteristics
Depending on the Cultivation Temperature.

Orig Pub: Studii cercetari inframicrobiol., microbiol. si
parazitol., 1957, 8, No 1, 95-113.

Abstract: The influence was studied of the cultivation tem-
perature on the chemical composition of cells and
the activity of some ferments (dehydrogenase, cat-
alase, amylase, proteolytic ferments) of 14 gram-
positive cultures of thermophilic bacteria. It

Card 1/2

ANDRONOVICI, Gh.; BADENSKI, A.; OLARIU, Tr.; IONESCU, R.; JONESCU, M.;
RISNICU, V. ~~ANDRONOVICI, Gh.~~

Epidemiological studies of an epidemic of dysentery in a
community. Rev. igiena microb. epidem., Bucur. 1:26-40
Jan-Mar 55.

1. Lucrare efectuata in cadrul Sanepidului central al Capitalei.
(DYSENTERY, epidemiol.
epidemic in school in Rumania, etiol., develop. &
prev. measures.

BADENSKI, A.; IONESCU, M.

Levin's medium used for differentiation of bacteria of the Shigella, Salmonella and Escherichia coli groups. Rev. igiena microb. epidem., Bucur. 1:84-85 Jan-Mar 55.

1. Lucrare efectuata in Laboratorul Sanepidului Capitalei.

(ESCHERICHIA COLI, culture

Levin medium for differentiation of E. coli, Salmonella & Shigella bact.

(SALMONELLA, culture

(SAME)

(SHIGELLA, culture

(SAME)

(CULTURE MEDIA

(SAME)

LUPU, N.GH., Academician; GOLDSTEIN, I.; BALDOVIN, C.; KAHAN, A.; BADENSKI, A.;
STOICHITA, M.; MIHALCU, FL.; COTARCEA, S.; CHIRESCU, M.; MENDELOVICI, F.;
BORSAI, L.

Comments on the epidemiology and clinical aspects of streptococcal in-
fections (rheumatic disease, nephropathy); studies of mass prevention.
Probl. reumat., Bucur. no.5:19-27 1958.

1. Institut de terapeutica al Academiei R.P.R., Institutul de microbiologie
si epidemiologie Dr I. Cantacuzino si Sanepidul Capitalei.

(STREPTOCOCCAL INFECTIONS

epidemiol. in Rumania, clin. aspects & prophylaxis)

(RHEUMATISM, epidemiology

in Rumania, correlation with streptoc. infect.)

(KIDNEY DISEASES, etiol. & pathogen.

streptoc. infect., incidence in Rumania)

BADENSKI, Al.

SOURCE (in caps); Given Names

Country: Rumania

Academic Degrees: Dr.

Affiliation: *)

Source: Bucharest, Microbiologia, Parazitologia, Epidemiologia, No 3,
May-Jun 1961, pp 267-270.

Data: "Certain Data Concerning the Isolation of Type Q 1 167
(Sh. dysenteriae 4) in Our Country."

Co-authors:

OLINICI, N., Dr.

SUTER, C., Dr.

LESCINSKI, S., Dr.

*)

Work performed at the Stalin Raional Sapedid (Sanepidul Raional Stalin), Bucharest, and at the Biological Products Section of the "Dr. I. Cantacuzino" Institute (Sectia Produse Biologice, Institutul "Dr. I. Cantacuzino."

GAVRILA, I., prof.; TURCU, T., prof.; BADENSKI, Gh., prof.

Cluj Intraregion Conference on Staphylococcal Infections, December
3-5, 1959. ~~Microbiologia~~ (Bucur) 6 no.1:1-13 Ja-F '61.

BADENSKI, Gh., prof.; BERGNER, Eva; BUIA, Claudia; IVANOF, A.

Experimental staphylococcal infection of the white mouse by the ocular way. Microbiologia (Bucur) 6 no.1:62-63 Ja-F '61.

BADENSKI, J.; SLONIOWSKI, L.

Analysis of the consumption of fabrics in the clothing industry. p. 164.
(MOTORYZACJA, Vol 5, No. 9, Sept. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), 10, Vol. 3, No.12, Dec.
1954, Uncl.

PADEWSKI, J.

PADEWSKI, J. Developmental trends of production technique and management in the clothing industry. Pt. 3. Organizational and technical problems. p. 5. Vol. 7, no. 1, Jan. 1956. OD2182. Lodz, Poland.

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6 June 1956

Badenskiy, G.

USSR/General Problems of Pathology - Allergy.

S-2

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71341

Author : Zager, O., Badenskiy, G., Koteyeski, E., Veinbakh, R.

Inst :

Title : The Influence of Unilateral Removal of Brain Cortex on the Sanarelli-Schwarzman Phenomenon.

Orig Pub : Zh. med. nauk Akad. RNR, 1954(1955), 3, 155-162

Abstract : The Sanarelli-Schwarzman Phenomenon (SSP) was produced in cats by the introduction of inactivated centrifugates at 60 deg. of streptococcal and pneumococcal cultures, and in dogs -with the filtrate of Proteus OX-19. Six months before the test, the animals were subject to unilateral decortication. In cats, the SSP developed weakly and was practically equal to the one in control animals. In the tested dogs the SSP was more intensive than in the controls. The reaction was much more intense and wide-spread on the skin part on the opposite side of decortication.

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USSR/General Problems of Pathology - Allergy.

S-2

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71341

By repeating the intradermal filtrate injection in 21 days the SSP became more intense than after the first injection. Here the strong reaction was shown on the skin parts connected with the operated hemisphere of the brain. The difference between the action of anesthesia and decortication on SSP is explained by the fact, that in the unilateral decortication the subcortical centers, located in the operated hemisphere, are freed from the balance regulating influence of the cortex; as a result, the reactivity of the skin is heightened. In anesthesia, however, outside of the cortex, the subcortical centers are included, for the inhibition is spread to the lower parts of the brain.

Card 2/2

- 11 -

Letter to R. R. Roth
SAGER, O.; BADENSKI, Gh.; ROTH, R.R.; WEINBACH, R.; MIHALE, A.

The role of the central nervous system in pyretotherapy for syphilitic meningoencephalitis. The action of malaric fever & of fever produced by typho-paratyphic vaccine. Rumanian M. Rev. 1 no.2:47-49 Apr-June 57.

(SYPHILIS, compl.

meningo-encephalitis, ther., fever ther., **CNS** mechanisms)

(MENINGOENCEPHALITIS, etiol. & pathogen.

syphilis, ther., fever ther. **CNS** mechanisms)

(CENTRAL NERVOUS SYSTEM, in various dis.

syphilitic meningoencephalitis, eff. of fever ther.)

BADER, Andor, dr; KOVATS, Karoly, dr.

lympho-cysto-fibroma corporis uteri sarcomatosum. *Magy. noerv.*
lap. 17 no.3:186-189 May 54.

1. A Budapesti Allami Szulesznokepzo Intezet (Igazgato-tanar:
Kovacs Ferenc dr.) kozlemenye.

(UTERUS, neoplasms,

lympho-cysto-fibroma sarcomatosum)

(SARCOMA,

uterus, lympho-cysto-fibroma sarcomatosum)

(LEIOMYOMA,

uterus, lympho-cysto-fibroma sarcomatosum)

BADER, Andor, dr.

Parturitions after pulmonary resections performed in consequence of tuberculosis. Orv.hetil. 101 no.39:1375-1378 25 S '60.

1. Allami Szulesznokepzo Intezet.
(PNEUMONECTOMY in pregn.)
(PREGNANCY compl.)

HUNGARY

EADER, Andor MD. [Affiliation not stated].

"Rehabilitation in Gynecology"

Budapest, Orvosi Hetilap, Vol 103, No 47, 25 Nov 62; pp 2217-2221.

Abstract: A review article describing rehabilitational problems of patients following inflammation of the uterine appendages, gynecological operations and treatment of malignant tumors. Special emphasis is placed on the psychological aspects of gynecological diseases as well as the preservation of the work ability of patients even in cases of malignant tumor where the life expectancy after onset may be as long as five to ten years. [25 references, predominantly Hungarian and East German].

1/1

BADER, Andor, dr.

Rehabilitation in gynecology. Orv. hetil. 103 no.47:2217-2221 25 N '62.
(REHABILITATION) (GYNECOLOGY)

BADER, Andor, dr.

Contribution to uterine ruptures of unknown origin. Magy. noorv.
lap. 25 no.6:347-353 N '62.

1. Allami Szulesznokepzo Intezet (Igazgato-tanar: Kovacs Ferenc dr).
(UTERINE RUPTURE) (LABOR)

BADER, Andor, dr.

Etiological data on postpartum hypopituitarism (Sheehan's syndrome).
Magy. noorv. lap. 26 no.1:10-30 Ja '63.

1. Allami Szulesznoképső Intezet (Igazgató-tanár: Kovacs Ferenc dr.).
(SIMMOND'S DISEASE)

LEVI, L.I.; BADER, E.I.; SIROTIN, A.Ya.

Content of gases in malleable cast iron. Izv. vys. ucheb. zav.;
chern. met. 7 no.7:210-214 '64 (MIRA 17:8)

1. Moskovskiy institut stali i splavov.

LEVI, L.I.; BADER, E.I.

Nature of brittleness of black core malleable cast iron.

Lit. proizv. no.11:31-33 N '64.

(MIRA 18:8)

LEVI, L.I., doktor tekhn. nauk; BADER, E.I., inzh.

Engineering properties and use of malleable cast iron in the
manufacture of machinery. Vest. mashinostr. 44 no.8:58-61
Ag '64. (MIRA 17:9)

LEVI, L.I.; BADER, E.I.; KORNEYEV, D.M.

Temperature range of the appearance of brittleness in malleable
iron castings. Izv. vys. ucheb. zav.; Chern. met. 7 no.9:
167-171 '64. (MIRA 17:6)

1. Moskovskiy institut stali i splavov.

LEVI, L.I., doktor tekhn. nauk; BADER, E.I., kand. tekhn. nauk

Effect of oxygen treatment on the graphitization and
properties of malleable cast iron. Lit. proizv. no.11:
31-32 N '65. (MIRA 18:12)

OSU-A 347

BADER, F.F.

Solyanyye Ozero Dzhakshy-Klych i Chumysh-Kul':

Salt Lakes Dzhakshy-Klych and Chumysh-Kul'.

Issledovaniya Ozer SSSR: Gosudarstvennyy Gidrologicheskiy Institut, No. 6, 1934, pp. 29-62.

Library of Congress, GB1707-A114

A study of the two above named lakes and other small salt lake in the area N. E. of Aral Sea.

Maps, area 30 x 60 km: Dzhakshy-Klych 1:225,000

Chumysh-Kul' 1:50,000

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BADER, F.F.

Map: YENISEY river

OSU-Am 2327

S-48

Bader, F. F.: Soobshcheniye o Rabotakh na Ust'ye Yeniseya
Izv. Gosud. Geograf. Obshch., Vol. 71, pp. 500-601, 1939
American Geographical Society, New York, N. Y.
Description of the lower Yenisey River.
Map scale 1:100,000 of the river from Mys Dorofeyevskiy
to Mys Sopochhnaya Karga.

49

BADFR, I.

BADFR, I. A truly leading cooperative. p. 6. Vol. 8, no. 11, Nov. 1956.
GOSPODARKA RYBNA. Warszawa, Poland.

SOURCE: East European Accessions List (IEAL) Vol. 6, No. 4--April 1957

PTA BADER, J.

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621.316.933

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Bader J. Variable Resistance Discs of Valve Arresters.

„Płytki szlisko-oporowe odgromników”. Przegląd Elektrotechniczny. No. 1—2—3, 1951, pp. 52—60, 23 figs.

Description of the role of discs; parameters delineating their properties; conditions with which they must comply and standard test forms. The article deals with the various courses of variability in the resistance of the discs; are characteristics in narrow tunnels, contingency of the conductivity of carborundum grains on the intensity of the electric field, together with the problem of contact as between the carborundum grains. Certain details are given concerning porous and carborundum discs, with particular reference to electric inertia. The influence of moisture, grain size and other technological details on the properties of the discs are explained.

BADER, J.

Polish Technical Abst.
No. 1 1954
Mechanics, Electrotechnics,
Power

2597

621316.933.002.613

✓ Bader J. Polish-Made Valve Arresters (Zokar).

"Krajowe typy odgromników zaworowych (zokarowych)". Przegląd Elektrotechniczny. No. 12, 1952, pp. 471—475, 16 figs., 1 tab.

✓ This article deals, in concise form, with the research work of the "arrestor team" comprising employees of the Electrical Institute and of electrical apparatus works in Warsaw. The work carried out by this team resulted in the commencement of the production of valve arresters, the properties of which meet all world market requirements. The arresters are made almost entirely of indigenous raw materials. Special reference should be made to the means devised for testing carborundum and for the criterions for qualifying it; this applies particularly to granulation. The experiments made towards deciding, on the basis of tests carried out with carborundum, as to the properties of the variable distance plates, are an entirely novel feature. The spark gaps have been designed with a view to replacing copper by substitute materials.

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...time-lag probability curves. It is concluded that pre-stressing
and self-irradiation reduce both the stress and the magnitude
of the breakdown voltage, self-irradiation being the more effective.

F. M. De la Rosa

27.10.71
27.10.71

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000102930007-9

APPROVED FOR RELEASE: 06/06/2000

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A magnetic-valve lightning arrester; a traction type. p. 1
PRACE, Vol. 4, No. 10, 1954, Warszawa, Poland

SO; East European Accessions List, L. of C., Vol. 5, No. 10, Oct. 1956.

POLAND/Radio Physics - Radio Frequency Measurements.

I-

Abs Jour : Ref Zhur Fizika, No 3, 1960, 6585

Author : ~~Bader, J.~~

Inst : Faculty of High Voltages, Polytechnic, Warsaw

Title : Experimental Investigation of the Post-Arc Resistance of
Small Spark Gaps

Orig Pub : Arch. elektrotechniki, 1959, 8, No 1, 133-155

Abstract : A circuit is described for measuring the post-arc resistance of small spark gaps. This circuit was used to measure the post-arc resistances from 0.3 to 1.8 mm at pulsed currents of 0.1 -- 4 kiloamperes and at accompanying currents of 50 -- 560 amperes.

Card 1/1

BADER, Jerzy; BALCERZAK, Andrzej; ZIELINSKI, Jerzy Janusz

Corona losses in high-tension lines with small-diameter conductors.
Rospr elektrotechn 9 no.1/2:165-202 '69.

1. Instytut Elektrotechniki, Zaklad Wysokich Napiec, Warszawa.

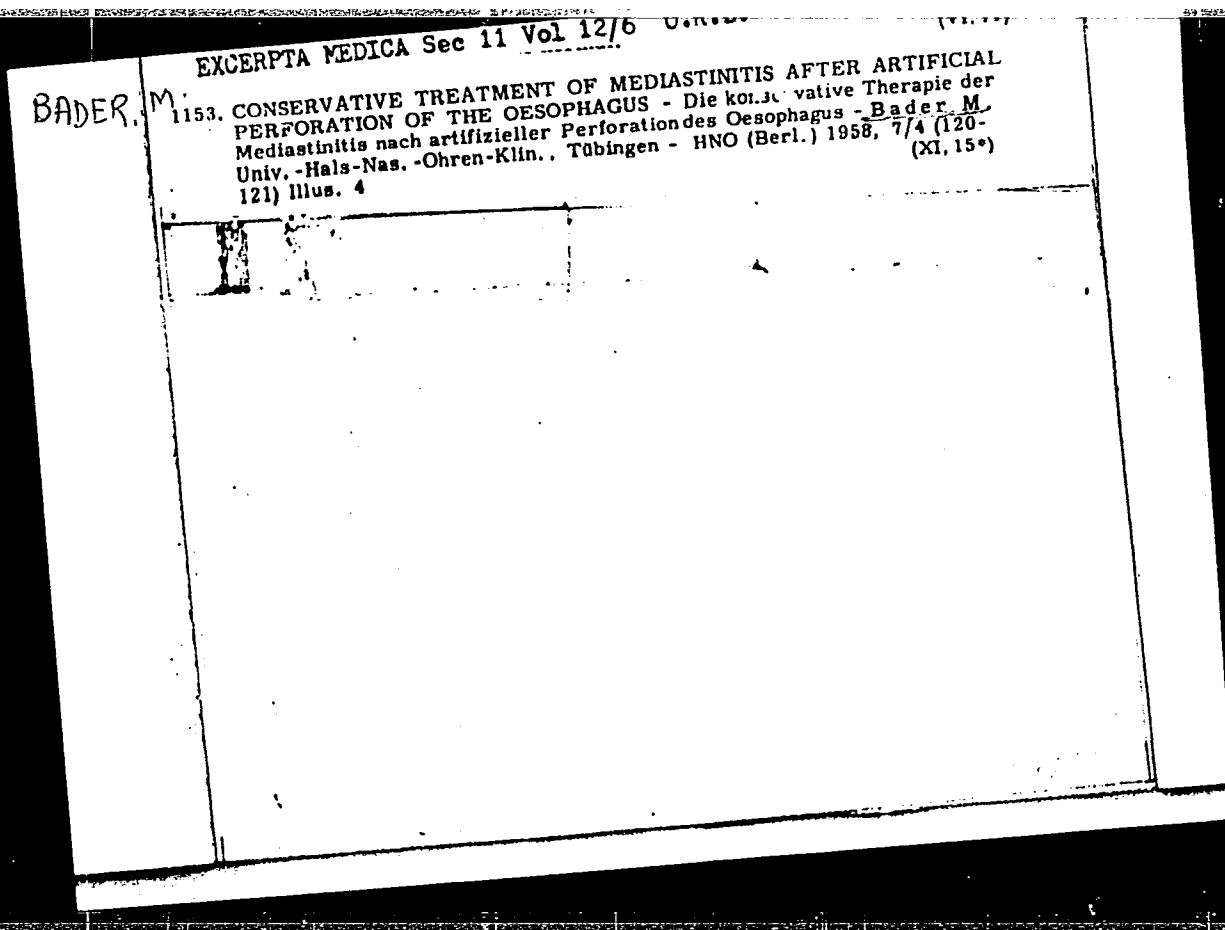
BADER, Jerzy ; JAKUBOWSKI, Janusz Lech; ZIELINSKI, Jerzy Janusz

Protection of gliders against atmospheric electricity. Rozpr
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1. Katedra Wysokich Napiec, Politechnika, Warszawa.

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prof. dr W.Bross.
(OSTEOPOROSIS,
Sudeck's atrophy)

BADER, Otton; KOZMINSKI, Stefan

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1. Z II Kliniki Chirurgicznej A. M. we Wroclawiu Kierownik:
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(CRANIUM, fractures
fronto-orbital, surg.

(FRACTURES
cranium, fronto-orbital, surg.

KOSMINSKI, Stefan; BADER, Otton

Remote results of the treatment of pancreatic pseudocysts by
W. Bross's internal drainage. Polski przegl. chir. 28 no.4:
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(PANCREAS, cysts,

pseudocyst, ther., internal drain. (Pol))

(CYSTS,

pancreas, pseudocyst, ther., internal drain. (Pol))

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(VASCULAR DISEASES, PERIPHERAL,
occlusive dis. of extremities, ther., tetraethylammonium
chloride (Pol))

(TETRAETHYLAMMONIUM, therapeutic use,
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Adres autorow: Wroclaw, ul Curie Sklodowskiej 66/68 II Klinika Chirur-
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Our observations on extracorporeal circulation with the use of the
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(ACID-BASE EQUILIBRIUM)

(HYPOTHERMIA, INDUCED)

(HEART, MECHANICAL)

(ACIDOSIS)

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(CHOLELITHIASIS) (BILE DUCTS)
(DUODENUM) (SURGERY, OPERATIVE)

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Our observations on the treatment of necrotic pancreatitis.
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Kratkiye soobshch. O dokladakh i polevykh issledovaniyakh in-ta
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Volga Valley. Biul.Kom. chetv.per. no.18:51-63 '53. (MLRA 7:5)
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["Silver from beyond the Kama River" of the first centuries of
our era; Bartym location] "Serebro zakamskoe" pervykh vekov nashei
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Paleolithic site on the Belaya River. Vop. geol. vost. okr. Rus.
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red. izd-va; GIDALEVICH, A.M., red. izd-va; KASINA, P.S., tekhn.
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[Materials from the All-Union Interdepartmental Conference on
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(Geology, Stratigraphic)

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[Stratigraphy and periodization of the Paleolith of Eastern
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GUSLITSER, Boris Isaakovich; KANIVETS, Vyacheslav Il'ich;
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[Caves in the Pechora Valley portion of the Urals]
Peshchery Pechorskogo Urala. Moskva, Nauka, 1965. 132 p.
(MIRA 18:11)

B/501/59/007/000/001/005
D278/D303

AUTHOR: Bader, V.

TITLE: On flow in cyclones

PERIODICAL: Bulgarska akademiya na naukite. Izvestiya. Tekhnicheski
institut. Otdelenie za fiziko-matematicheski i tekhnicheski nauki, v. 7-8, 1959, 3-18

TEXT: The article deals with the influence of various quantities on the operation of certain dust separators and fuel cyclones. The purpose of the study is to provide cyclone designers with a calculation basis which may help in determining the most convenient relations between the cyclone output and the necessary kinetic momentum for separating solid particles. To obtain a clear picture about various geometrical and physical parameters and about their influence, the author uses mainly the integral theorem of hydro- and aerodynamics, considering at first the gas as a frictionless substance, and the possibility that supercritical pressure conditions may occur in the cyclone model used for the

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On flow in cyclones

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study. As a basis for calculations, the following rules were observed:
a) the quantity of air entering the cyclone increased by the quantity of burning gases should be equal to the quantity of expelled gases;
b) the input kinetic momentum should be equal to the output kinetic momentum, the influence of the internal friction being neglected; c) the output kinetic energy increased by the existing enthalpy should be equal to the initial kinetic energy increased by the energy of combustion; d) the gas flow is considered to be purely potential, and e) the general equation for an ideal gas is considered valid also for the gas-air mixture, assuming that the individual constant of the gas may easily be determined in accordance with the laws of thermodynamics. In determining the velocity field, the author starts with the condition for a potential flow $\vec{\text{rot}} \vec{w} = 0$ (1) and arrives through integration at equation

$$w^2 = K^2 + \frac{C^2}{r^2} \quad (4) \quad \text{where } K \text{ and } C \text{ are easily determined constants.}$$

When the values K and C are determined, Eq.(4)

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On flow in cyclones

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fully defines the velocity field. Considering the gas a frictionless substance, the author arrives, using a simplified hypothesis based on the principles of continuity, at the angular momentum and energy theorems, defining $Fe = \dot{m}_0 / Q_0 w_0$ (20) at the transcendental equation

$$\frac{Fe}{\pi R_0^2} = \frac{Q_0}{Q_0} \frac{w_0}{w_{max}} \frac{1}{(1+\varepsilon)^3} \beta^{2-N} \sqrt{\beta^2 - 1} f(\xi_1, \xi_2). \quad (21)$$

where ξ is the relation between the gas and air quantities, and (22)

$$\xi_1 = \frac{r_k}{r_{min}}, \quad \xi_2 = \frac{a}{r_{min}} \quad (22)$$

Numerical values for ξ are given in tabulated form. In determining the core radius the

author arrives at the equation (25) in which ξ_1 is determined according

$$\frac{r_k}{a} = \frac{1}{1+\varepsilon} \frac{w_0}{w_{max}} \frac{R_0}{a} \beta \sqrt{\xi_1}, \quad (25)$$

to Eq. (22). Table 2 gives the results of several calculations

from which the influence of the velocity w_0 , the internal temperature T_0

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On flow in cyclones

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and the additional mass debit on the core radius is clear. The cyclone constants in the calculations were taken as arbitrary values. An approximate value for β may be determined as follows: if

$$\beta^2 = 1 + \gamma,$$

$$f(1, \xi_1) \approx 1,$$

$$f(1, \xi_2) \approx \xi_2^2,$$

then следва:

$$\gamma \approx (1 + \varepsilon) \frac{Fe}{\pi R_0^2} \frac{q_0}{\rho_{00}} \frac{w_0}{w_{max}} \left(\frac{R_0}{a} \right)^2. \quad (31)$$

This relation shows that the quantities ε which is the ratio between the gas and the air quantities,

R which is the individual gas constant, ρ , the density, and w , velocity, have an influence on the cyclone operation. The various velocity profiles in the output tube in cyclones are shown. Fig. 6 shows the velocity profile for internal temperature $T_a = 1,500$ cal and two different pressures p_a/p_{00} . The influence of the viscosity on the solid wall of the cyclone

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is also given. The influence of the friction on the flow core, at first considered static, is of no great significance neither for the potential flow, nor for the technological determination of the cyclone quality. Of much greater significance might be the reduction of the output diameter caused by outgoing material coming from the edge of the flow core. This material, having a low kinetic energy, gathers in the vicinity of the output nozzle, and may absorb a certain amount of the kinetic energy of the sound flow, thus causing a considerable decrease of the kinetic energy and the kinetic momentum. There are 2 tables, 7 figures and 5 unidentified references.

ASSOCIATION: Nauchnoizsledovatel'ski institut po matematika - Otdelenie "Prilozhna matematika" pri Germanskata akademiya na naukite
(Scientific Research Institute of Mathematics - Section
"Applied Mathematics" at the German Academy of Sciences)
- Berlin

Card 5/6

BADER, V.A., inzh.

Repair shops must be kept well-supplied with spare parts. Elek. i
tepl. tiaga 2 no.3:43 Mr '58. (MIRA 11:4)
(Railroads--Repair shops)
(Diesel locomotives--Maintenance and repair)

BADER, W.

Currents in cyclones. p. 3.

IZVESTIIA: Bulgarska akademiia na naukite. Tekhnicheski institut. Sofia,
Bulgaria, Vol. 7/8, 1959.

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Uncl.